

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/566,593
Source: IFWP
Date Processed by STIC: 06/08/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/08/2006

PATENT APPLICATION: US/10/566,593

TIME: 09:56:07

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\06082006\J566593.raw

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3 <110> APPLICANT: NISHIMURA, Asuka
4     MATSUOKA, Makoto
5     ASHIKARI, Motoyoki
7 <120> TITLE OF INVENTION: GENES THAT CONFER REGENERATION ABILITY
8     TO PLANTS AND USES THEREOF (AS AMENDED)
10 <130> FILE REFERENCE: SHZ-028US
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/566,593
C--> 12 <141> CURRENT FILING DATE: 2006-01-31
12 <150> PRIOR APPLICATION NUMBER: US 60/491837
13 <151> PRIOR FILING DATE: 2003-07-31
15 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/011307
16 <151> PRIOR FILING DATE: 2004-07-30
18 <160> NUMBER OF SEQ ID NOS: 6
20 <170> SOFTWARE: PatentIn version 3.1
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23 <211> LENGTH: 12161
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57 <220> FEATURE:

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102 aaaacgggcg gtcgaaacac gttttcgcag gcaggcaaac cttccacatg tatcttaacg      180
104 accgtaaaaa tctccaattt tcacaggtgg accacagcac cgttttcgcg ggctacattt      240
106 cgaatcttcc tgggtgctac agtaaaccac ctgcaaaaat actcacggcg ccaaaaaaaaaa      300
108 tttccgccag ccccgcccc tccctattca aatcacaat cacaattct cacaattctc      360
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112 ccacaacatc aatttacaag ttaacatcaa tcaacatgta agcttttaaa cgaaacgtcg      480
114 tcgtcgcccg caaactcctt tgcattgcggt gccgtgcgc ccccccctcc cctctgtccg      540
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128 gaggaagag ggatggagg gagggaggtg gcgctgagag agagagagag agacgtgag      960
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138	ggtttatatt	ttcgaagatg	cttcacgcac	gacatcgacc	gcgtcctcta	tgacggcaac	1260
140	gaccgcgtca	ccgacaacgg	catcgatcac	gtcatctacg	atgacaacga	ctgcatcaac	1320
142	tccgcatcac	tattgtgatg	actgttacat	ggcgtagaag	aaccaaccaa	agtgggtggc	1380
144	tcatcgccaa	cgacgtcctc	tgacatatgc	aagacgtccc	caatggcatc	ctcagacatc	1440
146	tacaagggtg	aagatgctaa	caattacagt	ttttgtcttc	acactgtggc	ataaatattt	1500
148	tttttcgcct	tccgctatat	tccgctacac	ctacaaccac	ggttactaca	tgatcggctc	1560
150	catcaacgaa	catctataac	aacaatcatt	gacggaaact	ccagtcaaga	gcgtctgtgt	1620
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158	gcttcgctcc	cgttacgact	gagggggaat	gttagaagca	tagatatatt	aattgggat	1860
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164	caatgcaata	caccgagaat	acaacaatta	gattttttta	cagttgtaac	tatgatacgt	2040
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182	ccctttacga	cttggctcgt	cggtttggtt	gacgatagat	caaccaacaa	aagctacgat	2580
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230 aagtcactac cacaaccatc ggcgaccttt ctcgggatcc aagcatgttg accccgccaa 4020
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 234 atcctaggct taaggccacg aactcaagg acgtgggtgg cggcgctcgc gaggtgctcc 4140
 236 aagcgaacaa gctggccacc aaggaggacg ccgacaaggt ggcgccacc gctatgcaga 4200
 238 acgatgggag gcacgccggt gacgacaagg agctaacacg atccatttag tcccgatccg 4260
 240 agttgatcag gaattcaatc ctgcaccttg cggttacgtt tttcttctcc gcgggaaaag 4320
 242 caatcaccca tggtagggac aaagtgtgtg tgagaacgga ggccaggcca aagtgcgtgc 4380
 W--> 244 gagaacggag gctaggccat cgctggattg gatttacgaa tgaaatatng atgtgacgaa 4440
 246 cagaaaatta tcagtttgat ttaattttca taatcgganc tctttaatag gaaaaaaaat 4500
 248 tacatgtacg ttctttcatn gtgcccattg ccacccggga gtccagggtt attcncaaag 4560
 250 ncncaatcaa cagctannaa tccatgtctt tccccgcgtt tccctactct gctttttttt 4620
 252 ctttcatttg aaaccttccg ctatgaattt ctatgcgttc ctatgcacca cgcacacaaa 4680
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 258 cccaaactca aaaggagaaa aancaaaacta aaacttttaa taaagtgacc ccaagagata 4860
 260 aaaagggtgat agtaacaaca aaatctcact tgacaatgtc gttgatcagc actattttta 4920
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 303 Pro His Ala Ala Ala Ser Arg Cys Arg Pro Pro Gly Val Arg Ala Arg
 304 15 20 25 30
 306 ccc gtg cag tgc tgc acg gtg tcc gca ccg tcc tcc tgc act ccg gcg 6147
 307 Pro Val Gln Ser Ser Thr Val Ser Ala Pro Ser Ser Ser Thr Pro Ala
 308 35 40 45
 310 gcg gac gag gcc gtg tgc gcg gag ccg ctg gag ccg ccg gtg gag cag 6195
 311 Ala Asp Glu Ala Val Ser Ala Glu Arg Leu Glu Pro Arg Val Glu Gln
 312 50 55 60
 314 cgg gag gcc ccg tac tgg gtg ctc aag gag aag tac ccg acg ggg ctg 6243
 315 Arg Glu Gly Arg Tyr Trp Val Leu Lys Glu Lys Tyr Arg Thr Gly Leu
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322 atg gag ggc ggc atc aag gag ctg gcc aag atg ccc atg gag gag atc      6339
323 Met Glu Gly Gly Ile Lys Glu Leu Ala Lys Met Pro Met Glu Glu Ile
324 95                      100                      105                      110
326 gag gcc gac aag ctg tcc aag gag gac atc gac gtg cgg ctg aag tgg      6387
327 Glu Ala Asp Lys Leu Ser Lys Glu Asp Ile Asp Val Arg Leu Lys Trp
328                      115                      120                      125
330 ctg ggc ctg ttc cac cgc cgc aag cat cag t gtatgcctct cttctcttgc      6438
331 Leu Gly Leu Phe His Arg Arg Lys His Gln
332                      130                      135
334 tcctctgacg aacacatttt cttgctttcg ttctggttatt tgtcgcgcgcg aggaaggttaa      6498
336 ttccgccaaga tattctgcag ttttttttct cgtatgcacat tcagcaacct aattaagact      6558
338 gattaagttg ctgtgatttt tatagcttaa ttacgggtctc gtgggtaatg actattttata      6618
340 ttgagtaaag atggttacct ttgatccaat cacttcacct ccatgtgcca tatatagcca      6678
342 caggctctac caagtaacac tagtaatatg cccgtgctac gacacgggtg cataataaat      6738
344 cattaatatt tattataatc aaattaagga tcctaaaatt ggtccaattg ggtgttaatt      6798
346 cgatgcaggt catataaaaa tatatttttag gcaagggtgca attcaagagc atcaaccatt      6858
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352 ccacagtaag tgatgcagct catcttgccc taggcgttcg gtctaaccag tagatagaaa      7038
354 gagtacaaca tagatcgaat gaaaaaaaaa atctccagaa gaaagctcaa ccacattgag      7098
356 taaattagag caacaatcaa atcgagtcag catatcgtaa tgtagcaga accaatcacc      7158
358 acaatttggt tctcctcttt atctaagngt tttggccagg ttaaaagcat atatcactat      7218
360 gttccaagca aacatcggca atggacacgt caaaaaataa tgatcaattg tttctttgag      7278
362 tacaaaattg acaatggaca ctatgttctt ttgttagaat tctatttgct agggtaggat      7338
364 gtagaaaaac ttaactttta gaggaagctt aaatatccgg cataaacttg ctttttcagc      7398
366 gctctataaa ataattcaac agtgaattgt ccatcttttc taagtgtctc aaaagacact      7458
368 aagttgaaaa accaggtgaa ccaacagatt gatccacaaa atcttattat tagattattc      7518
370 acttaaaagc ctgtctttat ttcaaacata taaaaacaga agttattaat cagggaagcg      7578
372 cttatggcag cctgagcgaa ccagtgatag caagtgggtg aaacagtaaa taggatacat      7638
374 aaaaattata caaggtttct actgtttatc gaaaaaaaat atttgaaaac agtaaatagg      7698
376 atacataatc gacttccaac ttgtccttat cataacatcc agaatcaca caagaattgc      7758
378 aacgaatata tagtcgactt gagctaagaa gtcacaagac ctgtcaaagt aagctgccct      7818
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382 cagcagttca gttagataat ccaagatttc tcacggagaa gagcatatca ctacatcag      7938
384 tgttggtgccc tccaaatact gagataaact gaattttgtt ctctttgaag catctgcagg      7998
386 cattaacaat aataatactt tacaaagttt cattgggtct aaactattgt ttgcacatca      8058
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402 aacaccagcg tccgcccaga caaatgaat gcaggcacct aaaatataga accattgact      8538
404 tttcaacact gaattatata acctgaatat cttgttttgt taacacatct gacaaaatca      8598
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/566,593

DATE: 06/08/2006
TIME: 09:56:08

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\06082006\J566593.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 4429,4479,4520,4555,4561,4563,4577,4578,4823,7186,11994

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:37 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:30
L:42 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:35
L:47 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:40
L:52 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:45
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:4380
M:341 Repeated in SeqNo=1
L:490 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:495 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 1
L:611 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:609
L:927 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:920
L:932 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:925
L:937 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:930
L:937 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:935
L:1336 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:4
L:1340 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:4
L:1455 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:1453